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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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EXAMINER

PATEL, ASHOKKUMAR B

ART UNIT

PAPER NUMBER

2154

DATE MAILED: 06/09/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/814,266

Applicant(s)

AL-KAZILY ET AL.

Examiner

Ashok B. Patel

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 04 April 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-37 is/are pending in the application.
- 4a) Of the above claim(s) 2,5,12,15,27 and 28 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1,3,4,6-11,13, 14,16-26 and 29-37 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

1. Claims 1-37 are subject to examination. Claims 2, 5, 12, 15, 27 and 28 have been cancelled.

Response to Arguments

2. Applicant's arguments with respect to references Vange and Touboul have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claims 1, 3, 4, 6-11, 13, 14, 16-26 and 29-37 are rejected under 35 U.S.C. 102(e) as being anticipated Ben-Shaul et al. (hereinafter Ben-Shaul)(US 2002/0010798 A1).

Referring to claim 1,

Ben-Shaul teaches a method for caching an online service on a local point of presence (Fig. 7, page 21, and para. [0214]), the online service being hosted on a remote host computer, the method comprising:

receiving a request, at a local point of presence, to access an online service (page 21, para.[0214], [0217]);

determining if the requested online service is locally stored on the local point of presence (page 8, para.[0113], page 35, para.[0427]);

determining if the requested online service is downloadable by the local point of presence by checking a service cache record for a service ID associated with the requested online services wherein if the requested service ID is not listed in the service cache record. the online service is not downloadable by the local point of presence (page 3, para.[0037], page 4, para.[0048],page 35, para.[0426]-[0430], page 24-25, para. [0265]-[0268]);

in response to determining that the requested online service is not locally stored and is downloadable, downloading the requested online service from a remote host computer hosting the requested online service (page 6, para.[0068]); and storing the downloaded online service on the local point of presence. (page 35, para.[0426]-[0430].

Referring to claim 3,

Ben-Shaul teaches the method of Claim 1 further comprising executing the requested online service on the local point of presence. (page 23, para.[0235]-[0244])

Referring to claim 4,

Ben-Shaul teaches the method of Claim 1, wherein the requested online service is locally stored in cache memory. (page 23, para.[0235]-[0244])

Referring to claim 6,

Ben-Shaul teaches the method of Claim 1, wherein downloading the requested

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online service comprises downloading the online service object code. (page 23, para.[0235]-[0244])

Referring to claim 7,

Ben-Shaul teaches the method of Claim 1, wherein downloading the requested online service comprises downloading data associated with the requested online service. (page 23, para.[0235]-[0244])

Referring to claim 8,

Ben-Shaul teaches the method of Claim 1 further comprising:

maintaining an age limit for the requested online service; (page 23, para.[0235]-[0244])

determining an age of the requested online service locally stored on the local point of presence, the age being a time duration since the online service was last accessed (page 23, para.[0239], page 37, para.[0482]); and

in response to determining that the age exceeds the age limit, removing the locally stored online service from the local point of presence (page 12, para.[0176]).

Referring to claim 9,

Ben-Shaul teaches the method of Claim 1 further comprising receiving one or more caching properties for a locally stored online service. (page 37, para.[0483], page 23, para.[0237]-[0244])

Referring to claims 10 and 11,

Claims 10 and 11 are claims to a computer-readable storage medium having stored thereon computer instructions that, when executed by a computer, cause the

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computer to carry out the method steps of claim 1. Therefore claims 10 and 11 are rejected for the reasons set forth for claim 1.

Referring to claim 13,

Claim 13 is a claim to the computer-readable storage medium having stored thereon computer instructions that, when executed by a computer, cause the computer to carry out the method steps of claim 3. Therefore claim 13 is rejected for the reasons set forth for claim 3.

Referring to claim 14,

Claim 14 is a claim to the computer-readable storage medium having stored thereon computer instructions that, when executed by a computer, cause the computer to carry out the method steps of claim 4. Therefore claim 14 is rejected for the reasons set forth for claim 4.

Referring to claim 16,

Claim 16 is a claim to the computer-readable storage medium having stored thereon computer instructions that, when executed by a computer, cause the computer to carry out the method steps of claim 6. Therefore claim 16 is rejected for the reasons set forth for claim 6.

Referring to claim 17,

Claim 17 is a claim to the computer-readable storage medium having stored thereon computer instructions that, when executed by a computer, cause the computer to carry out the method steps of claim 7. Therefore claim 17 is rejected for the reasons set forth for claim 7.

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Referring to claim 18,

Claim 18 is a claim to the computer-readable storage medium having stored thereon computer instructions that, when executed by a computer, cause the computer to carry out the method steps of claim 8. Therefore claim 18 is rejected for the reasons set forth for claim 8.

Referring to claim 19,

Claim 19 is a claim to the computer-readable storage medium having stored thereon computer instructions that, when executed by a computer, cause the computer to carry out the method steps of claim 9. Therefore claim 19 is rejected for the reasons set forth for claim 9.

Referring to claim 20,

Claim 20 is a claim to a service caching system for locally storing a requested online service, the online service being hosted on a remote host computer in accordance with method of claim 1. Therefore claim 20 is rejected for the reasons set forth for claim 1.

Referring to claim 21,

Ben-Shaul teaches the method of Claim 1, wherein the requested online service comprises one or more of an electronic business card service, an electronic travel reservation service, an electronic retail service, and an electronic calendar service. (page 3, para.[0024], page 4, para.[0043], page 5, para.[0051], page 23, para.[0241]).

Referring to claims 22 and 23,

Ben-Shaul teaches the method of Claim 1, wherein determining if the requested online service is locally stored comprises checking service cache records for a service cache

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record associated with the requested online service, and the method of Claim 22, wherein determining if the requested online service is locally stored further comprises checking the service cache record associated with the requested online service for an indication that the requested online service is locally stored. (page 4, para, [0048], page 14, para.[0194])

Referring to claim 24,

Ben-Shaul teaches the method of Claim 23, wherein downloading the requested service occurs in response to a service cache record associated with the requested online service being found but no indication that the requested online service is locally stored being found in association with the service cache record. (page 6, para.[0068])

Referring to claims 25 and 26,

Ben-Shaul teaches the method of Claim 1, further comprising determining what components of the requested online service to request and download prior to downloading the requested service, and the method of Claim 25, wherein determining what components to request and download comprises checking service cache records that include caching properties entries that indicate which portions of an online service can be locally stored. (page 29, para.[0347], page 35, para.[0425]-[0430])

Referring to claim 29,

Claim 29 is a claim to a system for locally storing a requested online service, the online service being hosted on a remote host computer in accordance with method of claim 3. Therefore claim 29 is rejected for the reasons set forth for claim 3.

Referring to claim 30,

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Claim 30 is a claim to a system for locally storing a requested online service, the online service being hosted on a remote host computer in accordance with method of claim 6.

Therefore claim 30 is rejected for the reasons set forth for claim 6.

Referring to claim 31,

Claim 31 is a claim to a system for locally storing a requested online service, the online service being hosted on a remote host computer in accordance with method of claim 7.

Therefore claim 31 is rejected for the reasons set forth for claim 7.

Referring to claim 32,

Claim 32 is a claim to a system for locally storing a requested online service, the online service being hosted on a remote host computer in accordance with method of claim 8.

Therefore claim 32 is rejected for the reasons set forth for claim 8.

Referring to claim 33,

Claim 33 is a claim to a system for locally storing a requested online service, the online service being hosted on a remote host computer in accordance with method of claim 9.

Therefore claim 33 is rejected for the reasons set forth for claim 9.

Referring to claim 34,

Claim 34 is a claim to a system for locally storing a requested online service, the online service being hosted on a remote host computer in accordance with method of claims 22 and 23. Therefore claim 34 is rejected for the reasons set forth for claims 22 and 23.

Referring to claim 35,

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Claim 35 is a claim to a system for locally storing a requested online service, the online service being hosted on a remote host computer in accordance with method of claim 24. Therefore claim 35 is rejected for the reasons set forth for claim 24.

Referring to claims 36 and 37,

Claims 36 and 37 are claims to the system for locally storing a requested online service, the online service being hosted on a remote host computer in accordance with method of claims 25 and 26. Therefore claims 36 and 37 are rejected for the reasons set forth for claims 25 and 26.

Conclusion

Examiner's note: Examiner has cited particular columns and line numbers in the references as applied to the claims above for the convenience of the applicant.

Although the specified citations are representative of the teachings of the art and are applied to the specific limitations within the individual claim, other passages and figures may apply as well. It is respectfully requested from the applicant in preparing responses, to fully consider the references in entirety as potentially teaching all or part of the claimed invention, as well as the context of the passage as taught by the prior art or disclosed by the Examiner.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ashok B. Patel whose telephone number is (571) 272-3972. The examiner can normally be reached on 8:00am-5:00pm.


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John A. Follansbee can be reached on (571) 272-3964. The fax phone

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number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Abp


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